

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 04/10/2015 10:30 AM
Cytometer Baseline: 10/20/2014 10:06 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124063	-1	1.79	123896	1.75
Blue	F	SSC	125000	124362	-1	2.98	125356	2.76
Blue	E	FITC	17374	16711	-4	2.33	944	8.10
Blue	D	PE	22653	21888	-4	1.97	989	7.36
Blue	B	PerCP-Cy5-5	64987	63744	-2	2.59	1687	11.98
Blue	A	PE-Cy7	74081	72619	-2	3.61	956	22.08
Red	C	APC	61430	60301	-2	2.36	3413	7.68
Red	A	APC-Cy7	88289	87719	-1	2.43	1734	7.41
Violet	B	V450	12535	12068	-4	3.82	746	7.71
Violet	A	V500	47468	46498	-3	3.51	2627	5.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20031	6.24	577	-2	N/A	N/A	Pass
Blue	F	SSC	62243	1.88	495	6	N/A	N/A	Pass
Blue	E	FITC	103	31.77	510	1	0.0303	24	Pass
Blue	D	PE	205	23.08	503	2	0.2121	159	Pass
Blue	B	PerCP-Cy5-5	206	36.18	583	3	0.0134	0	Pass
Blue	A	PE-Cy7	72	87.95	640	3	0.0190	12	Pass
Red	C	APC	319	25.31	569	-1	0.0236	38	Pass
Red	A	APC-Cy7	110	37.44	547	1	0.0055	1171	Pass
Violet	B	V450	79	38.55	458	9	0.0556	1743	Pass
Violet	A	V500	172	18.45	486	8	0.0164	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.24	-31.07	0.79
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.23
Red	17.77	13.07 - 19.61	N/A	N/A	31.66	31.87	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10361

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments